NATIONAL GEOGRAPHIC
Little Kids
Salamanders on the Move

Why?

Why do cats have rough tongues?

A cat uses its tongue like a comb to smooth away tangles. When a cat grooms—or licks—itself, the rough bumps on its tongue also help clean dirt from the cat's fur.

RONALD WITTEK, ARCO IMAGES/ALAMY

QUIZ

LITTLE KIDS BIG QUIZ!

1 Which of these things changes colors in the fall?

2 How many of these things start with the letter *k*?

3 Which animal uses its nose like a straw?

OLEKSIY MAKSYMENKO, ALAMY (BUS); EWA STUDIO, SHUTTERSTOCK (SNEAKERS); LILKAR, SHUTTERSTOCK (LEAVES); JOEL SARTORE, NATIONAL GEOGRAPHIC PHOTO ARK (KANGAROO AND GIRAFFE); ZSSD, MINDEN PICTURES (KOALA); JOANNESTRELL, SHUTTERSTOCK (TOOTHBRUSH); SUZI ESZTERHAS, MINDEN PICTURES (ELEPHANT); RICHARD SEELY, NATIONAL GEOGRAPHIC IMAGE COLLECTION (GOAT)

That's Cool!

Meet the coati.

SAY MY NAME: koh-AH-tee

Coatis eat insects, spiders, snakes, fruit, and nuts.

They raise their tails high when they walk through tall grass. This might help them keep track of each other.

Coatis use their long, pointy noses to sniff for food in trees and on the ground.

Many coatis live on a continent called South America. Find South America on the map on the back page.

CHARLIE HAMILTON JAMES, NATIONAL GEOGRAPHIC IMAGE COLLECTION

What in the World Are These?

_LOCK

_ENNY

_IE

_PIDERWEB

_INEAPPLE

_EREAL

_IZZA

_AMSTER WHEEL

_ERRIS WHEEL

Can you name some other round things?

TOP ROW (LEFT TO RIGHT): KOOSEN; SHUTTERSTOCK; COMSTOCK; JUPITER IMAGES; ELENA BLOKHINA; SHUTTERSTOCK. MIDDLE ROW: PAPKIN; SHUTTERSTOCK; MARCOFOOD; SHUTTERSTOCK; ARTVILLE. BOTTOM ROW: IMAGES.ETC; SHUTTERSTOCK; ATIWATPHOTOGRAPHY; SHUTTERSTOCK; VITALLIY SHUTTERSTOCK

ANIMALS

Salamanders on the Move

Fire salamanders begin life in water. The baby salamanders know how to swim, find food, and watch out for hungry fish and birds. They have gills to breathe underwater.

Mother salamanders give birth to as many as 70 babies at once.

SYLVAIN CORDIER, NPL/MINDEN PICTURES (NEWBORN SALAMANDER); DO VAN DIJCK, NIS/MINDEN PICTURES (BIG IMAGE)

GILLS
Baby fire salamanders are about as long as your big toe.
Many fire salamanders live on a continent called Europe. Find Europe on the map on the back page.

Soon the young salamanders grow legs. They need legs for walking and climbing on land as adults.

It would take seven baby salamanders lined up from head to tail to be as long as one adult salamander.

During the day, adult fire salamanders hide in caves or other dark, damp places, like under leaves or rocks.

Salamanders are related to frogs.

At night, they hunt in forests. There, they eat earthworms, caterpillars, beetles, and spiders. Dinnertime—yum!

GUY EDWARDES, NATURE PICTURE LIBRARY (SALAMANDER BY WATER); WILD WONDERS OF EUROPE/BIANCARELLI, NATURE PICTURE LIBRARY (SALAMANDER ON LEAF); DANIEL HEUCLIN, BIOSPHOTO/MINDEN PICTURES (SALAMANDER WITH WORM)

Hungry for Ber

Raccoons eat fruit, fish, and bugs. Follow the clues below to help this raccoon find its berry dinner.

START

GRASS

TREE

BOULDERS

Walk through the grass.
Go around the boulder.
Climb up the tree.
Splash across the stream.
Go under the bird.
Move toward the flowers.

rries

STREAM

FLOWERS

How many doorways do you go through to get to your kitchen?

BIRD

Start eating!

END

PAUL VAN HOOF, BUITEN-BEELD/MINDEN PICTURES (RACCOON); PHILIPPE CLEMENT, NPL/MINDEN PICTURES (GRASS); P. DORMAN, SHUTTERSTOCK (BOULDER); DON MAMMOSER, ALAMY (TREE); RONAN DONOVAN, NATIONAL GEOGRAPHIC IMAGE COLLECTION (STREAM); GLENN BARTLEY, BIA/MINDEN PICTURES (BIRD); GERRY BISHOP, ALAMY (FLOWERS); TONY GALE, PICTORIAL PRESS/ALAMY (BERRIES)

ANIMALS

Fun With Fur Seals

A fur seal can dive as deep as three Statues of Liberty stacked on top of each other.

New Zealand fur seals hunt at night.

The New Zealand fur seal dives into the sea. Down, down, down it goes into the deep!

A New Zealand fur seal can hold its breath for 10 minutes.

It flaps its long front flippers to swim. It uses its back flippers to turn and stop.

The seal's thick fur keeps it warm. Big eyes help it see in dark ocean waters. Extra-long whiskers feel movement nearby, like swimming fish.

Many New Zealand fur seals live on the shores of a country called New Zealand. Find New Zealand on the map on the back page.

JUERGEN FREUND, NATURE PICTURE LIBRARY (BIG IMAGE); TIM EDWARDS, NATURE PICTURE LIBRARY (BACK FLIPPER)

Baby fur seals, called pups, stay on shore while mom hunts at sea.

The fur seal swims fast and turns quickly to catch fish, a squid, or an octopus to eat.

The seal swims back up to the surface to breathe air. Then it dives down again for a snack. The seal is still hungry!

ANDY TROWBRIDGE, NATURE PICTURE LIBRARY (MOM AND BABY); AFLO, NATURE PICTURE LIBRARY (RIBBON SEAL); TONY HEALD, NATURE PICTURE LIBRARY (ELEPHANT SEAL); SERGIO PITAMITZ, NATIONAL GEOGRAPHIC IMAGE COLLECTION (WALRUS); PAUL COLANGELO, NATIONAL GEOGRAPHIC IMAGE COLLECTION (STELLER SEA LION)

RIBBON SEAL

Playful Pinnipeds

ELEPHANT SEAL

Fur seals are in a group of animals called pinnipeds. Meet some other pinnipeds.

WALRUS

STELLER SEA LION

WORKBOOK

Very, Very Hot

FROM THE PAGES OF

Deserts are some of the hottest places on Earth. The temperature in Death Valley, a desert in California, has reached over 130°F!

LETTERS WRITING

V is for Very Hot!

Trace and then write *V* and *v*. Say the sound of the letters as you trace and write them. (The first two have been done for you.)

EARLY CONCEPTS

Hold That Water

A cactus holds water inside itself to survive in the hot desert. Even with very little water, cacti can grow to be huge.

Which cactus is largest? Circle it.

EARLY CONCEPTS

Ready for the Journey

When you walk across the desert, you need to carry all of your gear with you, including water!

What would you bring along if you were traveling across a desert?

Which bag or container would hold more?
Circle the one in each row that holds more.

SIX RED MARBLES (CACTUS ILLUSTRATION): NICK FOX, ADOBE STOCK (SANDY DESERT); YELLOW CAT, SHUTTERSTOCK (PURSE); CH.PIRASAK, SHUTTERSTOCK (BACKPACK); MONTICELLO, SHUTTERSTOCK (BIG BASKET); TOMASZ DARUL, SHUTTERSTOCK (LITTLE BASKET); SAGIR, SHUTTERSTOCK (BLACK SUITCASE); MDBILDES, SHUTTERSTOCK (ORANGE SUITCASE)

AN ALLIGATOR

1

A mother alligator builds a nest with plants and leaves. She lays her eggs and guards them while the babies grow inside.

2

It is time to hatch! A baby alligator uses its sharp nose to break out of its shell.

TREAT DAVIDSON, FLPA/MINDEN PICTURES (MOM); BARRY MANSELL, NATURE PICTURE LIBRARY (EGGS); HEIKO KIERA, SHUTTERSTOCK (HATCHING); DAVID KJAER, MINDEN PICTURES (MOM AND BABY); AMWU, DREAMSTIME (BABY)

HATCHES

3

After the baby hatches, it climbs onto mom. She keeps it safe from hungry animals.

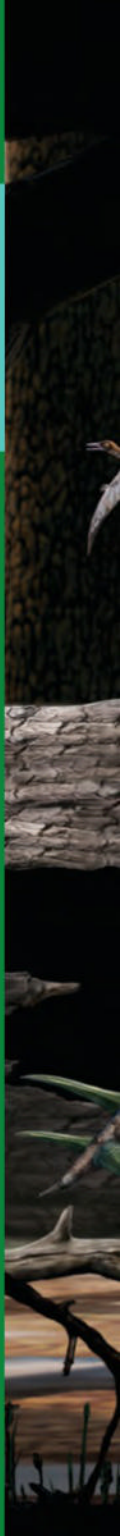
Many alligators live in a country called the United States. Find the United States on the map on the back page.

SAY MY NAME:
hwah-YANG-oh-SORE-us

Huayangosaurus had a SPIKY BACK.

The pointy spikes on *Huayangosaurus*'s body may have been for protection against predators. The two big spikes on its back might have stopped taller meat-eaters from biting this dinosaur.

Huayangosaurus also had flatter spikes, called plates, that grew along its whole back.



FRANCO TEMPESTA (BIG ILLUSTRATION AND SILHOUETTES)

Flying reptiles called pterosaurs (TER-uh-sores) lived in the time of dinosaurs.
Can you find three pterosaurs flying near this *Huayangosaurus?*
FACTS
FOOD: plants
SIZE:
10-YEAR-OLD
This dinosaur is related to *Stegosaurus*.

FINDING

Find the Feet

Look at each animal. Draw a line with your finger from the animal to the picture of its feet.

How do you use your feet to play?

Find an animal that uses its feet to climb.

BEARS

SLOTHS

TURTLE

Wiggle your toes. How many toes do you have?

KLEIN & HUBERT, NATURE PICTURE LIBRARY (ZEBRA); KLAUS NIGGE, NATIONAL GEOGRAPHIC IMAGE COLLECTION (OSTRICH); JUAN ARREDONDO, NATIONAL GEOGRAPHIC IMAGE COLLECTION (SLOTHS); JASPER DOEST, NATIONAL GEOGRAPHIC IMAGE COLLECTION (BEARS); TIM MAINIERO, ALAMY (TURTLE); ITAKEITSHOT, ALAMY (BEAR FOOT); JUSTINE EVANS, NATURE PICTURE LIBRARY (SLOTH FOOT); LEE RENTZ, ALAMY (TURTLE FEET); ERIC BACCEGA, NATURE PICTURE LIBRARY (OSTRICH FEET); RICHARD DU TOIT, NATURE PICTURE LIBRARY (ZEBRA FEET)

WILD CARDS

QUOLL

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quoll

FUN FACTS

Like a kangaroo, a baby quoll grows in its mother's pouch. A quoll is ready to live on its own by the time it is five months old.

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CRAIGRJD, ISTOCK/GETTY IMAGES

WILD CARDS

OAHU TREE SNAIL

Oahu tree snail

FUN FACTS

These tree snails live only in Hawaii on an island called Oahu. The snails are about as long as the two words in red above.

NATIONAL GEOGRAPHIC LittleKids

XBRCHX, ISTOCK/GETTY IMAGES

WILD CARDS

LEOPARD

leopard

FUN FACTS

Other animals often try to steal a leopard's meal. Leopards carry food up into a tree to keep it safe from animals that do not climb.

NATIONAL GEOGRAPHIC Little Kids

SMELLME, DREAMSTIME

WILD CARDS

JAPANESE MACAQUE

Japanese macaque

FUN FACTS

These primates are often called snow monkeys. They live in parts of Japan where winters are cold and snowy.

NATIONAL GEOGRAPHIC LittleKids

HIROYA MINAKUCHI, MINDEN PICTURES

WILD CARDS

MANDARIN DUCKS

mandarin ducks

FUN FACTS

In the spring, a male mandarin duck is very colorful. His pretty feathers help attract a mate.

NATIONAL GEOGRAPHIC LittleKids

DAVID PIKE, NATURE PICTURE LIBRARY

WILD CARDS

WHITETIP REEF SHARK

whitetip reef shark

FUN FACTS

This shark is named for the white spots on its fins. Whitetip reef sharks live in warm ocean waters, usually in a coral reef.

NATIONAL GEOGRAPHIC LittleKids

DAVE FLEETHAM, ALASKA STOCK

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MAP IT!

A map shows where places are. This map shows two countries and two continents where some of the animals in your magazine live. A continent is a very big landmass.

Featured country

Featured continent

THIS ISSUE BY RUTH A. MUSGRAVE

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